



DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF WATER RESOURCES

William R. Snodgrass - Tennessee Tower

312 Rosa L. Parks Avenue, 11th Floor

Nashville, Tennessee 37243-1102

(615) 532-0625

ANNUAL STORMWATER MONITORING REPORT

for Stormwater Discharges Associated with Industrial Activity under the

TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

Facility Name:	AOC L.L.C. - TN Plant	TMSP Number:	TNR051544
Contact Person:	Darrell Richardson	Phone Number:	901-861-8349
This report is submitted for the following calendar year (e.g. 2015):	2015	Outfall Number:	SW001
List all TMSP sectors which apply to discharge from this outfall:	C&P	Sample Date:	12/16/15
<p>Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:</p>			

DIRECTIONS:

In the spaces below, provide the results of stormwater monitoring for the designated outfall. For each outfall, one Annual Stormwater Monitoring Report must be submitted. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the TMSP and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be grab.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75		Magnesium, Total	0.0636	
Ammonia	4.0		Mercury, Total	0.0024	
Arsenic, Total	0.1685		Nickel, Total	0.875	
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0159		Oil and Grease	15	
COD	120		pH	5.0-9.0	
Copper, Total	0.018		Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.064		Selenium, Total	0.2385	
Fluoride	1.8		Silver, Total	0.032	
Iron, Total	5.0		Total Suspended Solids	150	
Lead, Total	0.15		Zinc, Total	0.395	0.032



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ANNUAL STORMWATER MONITORING REPORT

for Stormwater Discharges Associated with Industrial Activity under the

TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

Facility Name:	AOC L.L.C. - TN Plant	TMSP Number:	TNR051544
Contact Person:	Darrell Richardson	Phone Number:	901-861-8349
This report is submitted for the following calendar year (e.g. 2015):	2015	Outfall Number:	SW002
List all TMSP sectors which apply to discharge from this outfall:	C&P	Sample Date:	12/16/15
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

DIRECTIONS:

In the spaces below, provide the results of stormwater monitoring for the designated outfall. For each outfall, one Annual Stormwater Monitoring Report must be submitted. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the TMSP and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be grab.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75		Magnesium, Total	0.0636	
Ammonia	4.0		Mercury, Total	0.0024	
Arsenic, Total	0.1685		Nickel, Total	0.875	
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0159		Oil and Grease	15	
COD	120		pH	5.0-9.0	
Copper, Total	0.018		Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.064		Selenium, Total	0.2385	
Fluoride	1.8		Silver, Total	0.032	
Iron, Total	5.0		Total Suspended Solids	150	
Lead, Total	0.15		Zinc, Total	0.395	0.072



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ANNUAL STORMWATER MONITORING REPORT

for Stormwater Discharges Associated with Industrial Activity under the

TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

CERTIFICATION AND SIGNATURE

(Make all entries in ink, not with a pencil. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.)

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Skip Swanner **Plant Manager**

Printed Name

Official Title

Signature

Date

Skip Swanner

3/23/16



**DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES**

William R. Snodgrass - Tennessee Tower
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Nashville, Tennessee 37243-1102
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ANNUAL STORMWATER MONITORING REPORT
for Stormwater Discharges Associated with Industrial Activity under the
TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

CERTIFICATION AND SIGNATURE

(Make all entries in ink, not with a pencil. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.)

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

<u>Skip Swanner</u>	<u>Plant Manager</u>	<u><i>Skip Swanner</i></u>	<u>3/23/16</u>
Printed Name	Official Title	Signature	Date



March 24, 2016

*Via Certified Mail
Return Receipt Requested*



Tennessee Department of Environment and Conservation
Division of Water Resources
Memphis Environmental Field Office
8383 Wolf Lake Drive
Bartlett, TN 38133

RE: Storm Water Multi Sector Permits
TMSP Number: TNR051544

Attached is AOC TN's Multi Sector General Permit 2015 Annual Monitoring Report for Outfall SW 001 and Outfall SW 002.

In addition to sampling for Zinc per the Sector requirements, the outfalls were also sampled for styrene. Test results were as follows.

Outfall SW 001:	Styrene	<1.0 ug/l (Method Quantitation Limit = 1.0 µg/l)
Outfall SW 002:	Styrene	3.06 ug/l (Method Quantitation Limit = 1.0 µg/l)

Once results for this sampling event were received, the styrene detection at SW 002 was communicated to all departments. A review of past inspection reports, thorough visual inspections of the site, as well as a complete review of the SWPPP did not lead to a "source" that would have contributed to the sample result.

An additional sampling event was conducted on March 3, 2016 at the same outfall locations. Results for zinc were below the cut off concentration at both outfalls. Results for styrene were as follows:

Outfall SW 001:	Styrene	1.24 µg/l (Method Quantitation Limit = 1.0 µg/l)
Outfall SW 002:	Styrene	2.33 µg/l (Method Quantitation Limit = 1.0 µg/l)

Although the detection of styrene at SW 001 is slightly above the MQL, and the result from SW 002 is less than the previous result, additional sampling and more frequent inspections are proposed to assess the effectiveness of the SWPPP. All results will be forwarded to your department. If any modifications and/or additions to the SWPPP are necessary, they will be forwarded to your department along with a timeline for implementation. Also, during the month of March, the monthly safety training topic was chosen to be Storm Water Pollution Prevention due to the results of this sampling event. Best Management Practices and how they relate to

preventing storm water runoff pollution was stressed during this training to all departments at the AOC TN site.

Please contact me at 901-861-8349 with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Darrell Richardson", with a stylized flourish extending to the right.

Darrell Richardson
EHS Coordinator

Attachments

LABORATORY ANALYTICAL RESULTS

12/16/15

12/21/2015

AOC, LLC
Mr. Phillip Grimmett
950 Highway 57 East
Collierville, TN, 38017

Ref: Analytical Testing
Lab Report Number: 15-350-0252
Client Project Description: Storm Water
Site ID: TNR051544

Dear Mr. Phillip Grimmett:
Waypoint Analytical, Inc. received sample(s) on 12/16/2015 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama #40750	Louisiana #04015	VA NELAP #460181	Texas #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	Kansas #E-10396



03701

AOC, LLC

Mr. Phillip Grimmett

950 Highway 57 East

Collierville, TN 38017

Project Storm Water

Information : Site ID: TNR051544

Report Date : 12/21/2015

Report Number : 15-350-0252

REPORT OF ANALYSIS

Received : 12/16/2015

Lab No : 90878

Sample ID : SW001 NE Corner of B3

Matrix: Aqueous

Sampled: 12/16/2015 9:30

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Styrene	<1.00	µg/L	1.00	1	12/16/15 20:52	AGH	8260B
Total Zinc	0.032	mg/L	0.010	1	12/19/15 05:37	BKN	EPA-200.7
Surrogate: 1,2-Dichloroethane - d4	110		Limits: 63-136%	1	12/16/15 20:52	AGH	8260B
Surrogate: 4-Bromofluorobenzene	103		Limits: 71-137%	1	12/16/15 20:52	AGH	8260B
Surrogate: Dibromofluoromethane	93.6		Limits: 70-128%	1	12/16/15 20:52	AGH	8260B
Surrogate: Toluene-d8	90.2		Limits: 70-130%	1	12/16/15 20:52	AGH	8260B

Lab No : 90879

Sample ID : SW002 S of Guardhouse

Matrix: Aqueous

Sampled: 12/16/2015 10:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Styrene	3.06	µg/L	1.00	1	12/16/15 21:33	AGH	8260B
Total Zinc	0.072	mg/L	0.010	1	12/19/15 05:42	BKN	EPA-200.7
Surrogate: 1,2-Dichloroethane - d4	107		Limits: 63-136%	1	12/16/15 21:33	AGH	8260B
Surrogate: 4-Bromofluorobenzene	90.6		Limits: 71-137%	1	12/16/15 21:33	AGH	8260B
Surrogate: Dibromofluoromethane	90.6		Limits: 70-128%	1	12/16/15 21:33	AGH	8260B
Surrogate: Toluene-d8	94.2		Limits: 70-130%	1	12/16/15 21:33	AGH	8260B

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Cooler Receipt Form

Customer Number: **03701**
Customer Name: **AOC, LLC**
Report Number: **15-350-0252**

Shipping Method

☐ Fed Ex ☐ US Postal ☐ Lab ☐ Other :
☐ UPS ☒ Client ☐ Courier Thermometer ID: #9

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Danyale Love

Date & Time: 12/16/2015 13:03:52

CHAIN-OF-CUSTODY

Kit ID:	0000058300
Initiated By:	Kenny Mulligan

	15-350-0252 03701 12-16-2015 12:41:36
AOC, LLC Storm Water	

Company Name AOC, LLC		Company Number 03701		Client Project Manager/Contact Mr. Darrell Richardson		Purchase Order Number	
Site Name Storm Water		Project Number		<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed		Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	
LIMS Project ID		Project Manager Phone # (901) 854-7295		Project Manager Email pgrimmatt@aoc-resins.com		Site/Facility ID # TNR051544	

Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
12/14/15	0930	SW001 NE Corner B3	Aqueous		3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	8260B - Styrene
12/14/15	0930	SW001 NE Corner B3	Aqueous		1	Plastic - Pint	HNO3 - Nitric Acid	Zinc
12/14/15	1000	SW002 S of Guardhouse	Aqueous		3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	8260B - Styrene
12/14/15	1000	SW002 S of Guardhouse	Aqueous		1	Plastic - Pint	HNO3 - Nitric Acid	Zinc

For Laboratory Use Only			Sampled by (Name - Print)		Client Remarks/Comments			
Ice	Custody	Lab Comments	Darrell Richardson					
Seals			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date Time
Y/N	Y/N		Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date Time
Blank/Cooler Temp			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date Time

5.4°C T9

12/16/15 12:40

LABORATORY ANALYTICAL RESULTS

3/3/16

3/13/2016

AOC, LLC
Mr. Darrell Richardson
950 Highway 57 East
Collierville, TN, 38017

Ref: Analytical Testing
Lab Report Number: 16-063-0286
Client Project Description: Stormwater
FID #TNR051544

Dear Mr. Darrell Richardson:
Waypoint Analytical, Inc. received sample(s) on 3/3/2016 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama #40750	Louisiana #04015	VA NELAP #460181	Texas #T104704180-11-6	Arkansas #88-0650
Mississippi	California #2904	NC #415	Oklahoma #9311	Virginia #00106
Kentucky #90047	Tennessee #TN02027	EPA #TN00012	Kentucky UST #41	Kansas #E-10396





2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 • Fax 901.213.2440
www.waypointanalytical.com

03701

AOC, LLC

Mr. Darrell Richardson

950 Highway 57 East

Collierville, TN 38017

Project Stormwater
Information : FID #TNR051544

Report Date : 03/13/2016

Received : 3/3/2016

Randall H. Thomas

Report Number : 16-063-0286

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 97121

Sample ID : SW001 NE CORner B3

Matrix: Aqueous

Sampled: 3/3/2016 6:00

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Zinc	0.037	mg/L	0.010	1	03/11/16 20:32	BKN	EPA-200.7

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 • Fax 901.213.2440
www.waypointanalytical.com

03701

AOC, LLC

Mr. Darrell Richardson

950 Highway 57 East

Collierville, TN 38017

Project Stormwater
Information : FID #TNR051544

Report Date : 03/13/2016

Received : 3/3/2016

Randell H. Thomas

Report Number : 16-063-0286

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 97121

Sample ID : SW001 NE Corner B3

Matrix: Aqueous

Sampled: 3/3/2016 6:00

Analytical Method: 8260B

Prep Batch(es): L277778 03/07/16 12:43

Prep Method: 5030B

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Styrene	1.24	µg/L	1.00	1	03/07/16 21:10	AGH	L277780
Surrogate: 4-Bromofluorobenzene	98.0		Limits: 71-137%	1	03/07/16 21:10	AGH	L277780
Surrogate: Dibromofluoromethane	98.0		Limits: 70-128%	1	03/07/16 21:10	AGH	L277780
Surrogate: 1,2-Dichloroethane - d4	93.0		Limits: 63-136%	1	03/07/16 21:10	AGH	L277780
Surrogate: Toluene-d8	91.8		Limits: 70-130%	1	03/07/16 21:10	AGH	L277780

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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www.waypointanalytical.com

03701

AOC, LLC

Mr. Darrell Richardson

950 Highway 57 East

Collierville, TN 38017

Project Stormwater
Information : FID #TNR051544

Report Date : 03/13/2016

Received : 3/3/2016

Randell H. Thomas

Report Number : 16-063-0286

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 97122

Sample ID : SW002 S. of Guardhouse

Matrix: Aqueous

Sampled: 3/3/2016 6:30

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Zinc	0.042	mg/L	0.010	1	03/11/16 20:36	BKN	EPA-200.7

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



2790 Whitten Road, Memphis, TN 38133
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www.waypointanalytical.com

03701

AOC, LLC
Mr. Darrell Richardson
950 Highway 57 East
Collierville, TN 38017

Project Stormwater
Information : FID #TNR051544

Report Date : 03/13/2016
Received : 3/3/2016

Randell H. Thomas

Report Number : 16-063-0286

REPORT OF ANALYSIS

Randy Thomas
Project Manager

Lab No : 97122
Sample ID : SW002 S. of Guardhouse

Matrix: Aqueous
Sampled: 3/3/2016 6:30

Analytical Method: 8260B
Prep Method: 5030B
Prep Batch(es): L277778 03/07/16 12:43

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Styrene	2.33	µg/L	1.00	1	03/07/16 21:49	AGH	L277780
Surrogate: 4-Bromofluorobenzene	84.8		Limits: 71-137%	1	03/07/16 21:49	AGH	L277780
Surrogate: Dibromofluoromethane	95.0		Limits: 70-128%	1	03/07/16 21:49	AGH	L277780
Surrogate: 1,2-Dichloroethane - d4	89.8		Limits: 63-136%	1	03/07/16 21:49	AGH	L277780
Surrogate: Toluene-d8	89.2		Limits: 70-130%	1	03/07/16 21:49	AGH	L277780

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Cooler Receipt Form

Customer Number: **03701**
Customer Name: **AOC, LLC**
Report Number: **16-063-0286**

Shipping Method

☐ Fed Ex ☐ US Postal ☐ Lab ☐ Other :
☐ UPS ☒ Client ☐ Courier Thermometer ID: #9

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Required
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Cody Gardner

Date & Time: 03/03/2016 15:05:40



Kit ID:	0000061177
Initiated By:	Kenny Mulligan
Project Comment	Storm Water

CHAIN-OF-CUSTODY



AOC, LLC
Analytical Testing

16-063-0286
03701
03-03-2016
15:03:59

Company Name		Company Number		Client Project Manager/Contact		Purchase Order Number	
AOC, LLC		03701		Mr. Darrell Richardson			
Site Name		Project Number		<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed		Method of Shipment	
Storm Water						<input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client Drop Off Other	
LIMS Project ID		Project Manager Phone #		Project Manager Email		Site/Facility ID #	
		(901) 854-7295		drichardson@aac-resins.com pgrimmett@aac-resins.com		TN R051544	

Date	Time	Sample ID	Matrix	Grab/Comp	# of Cont	Container Type	Preservation	Analyses
3/3/16	0600	SW001 NE Corner B3	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	8260B - Styrene
3/3/16	0600	SW001 NE Corner B3	Aqueous	G	1	Plastic - Pint	HNO3 - Nitric Acid	Zinc
3/3/16	0630	SW002 S. of Guardhouse	Aqueous	G	3	Glass Vial Amber - 40ml	HCL - Hydrochloric Acid	8260B - Styrene
3/3/16	0630	SW002 S. of Guardhouse	Aqueous	G	1	Plastic - Pint	HNO3 - Nitric Acid	Zinc

For Laboratory Use Only			Sampled by (Name - Print)		Client Remarks/Comments				
Ice	Custody Seals	Lab Comments	Darrell Richardson						
(Y/N)	(Y/N)		Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date	Time
			[Signature]		3/3/16	1016			
			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date	Time
Blank Cooler Temp			Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	Date	Time
460 T9 CD CD							[Signature]	3.3.16	10:16